

ZHDANOV, Ye.A., inzh. (Lugansk); SKLYAROV, V.M., inzh. (Lugansk);  
EROVITSEV, V.A., inzh. (Lugansk); DEM'YANENKO, I.D., inzh.  
(Lugansk).

Locomotive cab made from glass plast cs. Zhel. dor. transp.  
(MIRA 19.1)  
47 no. 11:83-84 N '65

AMS SKLYAROV V. M

*Hydrometeorology*

35-251  
Sklarov, V. M., 20-letie Moskovskogo gidrometeorologicheskogo tekhnikuma. [351-570.5]  
anniversary of the Moscow Hydrometeorological Technical School.] Meteorologiya i Gidrologiya, No. 1:16-17, Sept. 1950. DLC--A brief review of the development of this school established in 1930. At present the number of students is 500 while more than 400 persons take correspondence courses. The library of the school has now more than 36,000 volume.  
Subject Headings: 1. Teaching of hydrometeorology 2. U.S.S.R. - N.T.Z.

PA 245T91

SKLYAROV, V. M.

USSR/Meteorology - Historical

Nov 52

"Activity of I. N. Ul'yanov in the Field of Meteorology," I. N. Sadotskiy and V. M. Sklyarov

"Meteorol i Gidrol" No 11, pp 57-59

States that Lenin's father, I. N. Ul'yanov (1831 - 1866), was a very skilled and progressive meteorologist of his time. Presents some of Ul'yanov's contributions to meteorology.

245T91

SKLYAROV, V. M.

PA 237T101

USSR/Meteorology - Weather Service

Dec 52

"Eighty Years of the Russian Weather Service,"  
V. M. Sklyarov, Moscow

"Meteorol i Gidrol" No 12, pp 49-53

Presents series of events in the history of the  
weather service in Russia. Lists the scientists  
and their contributions to meteorology.

237T101

~~SIMAKOV~~, VIKTOR MIRONOVICH  
SKLYAROV

Sklyarov, Viktor Mironovich. Meteorologiya dlya gidrometeorologicheskikh observertov. Leningrad, Gidrometezdat, 1955. 295 p. ill. figs.

tables. 22 refs. DLC (QC871.555)....Review by A. N. Michailov in Meteorologiya i Gidrologiya, No. 12.56-58, Dec. 1956. DLC—A nontechnical text on methods of observation of the various meteorological elements such as radiation, soil temperature, air temperature, humidity, convection, fog, clouds, precipitation, snow cover, pressure, wind, rainfall, and electrical phenomena, visibility and weather. Some of the basic principles of meteorology, synoptic and local forecasting are also covered. Subject Headings: 1. Meteorology techniques 2. Observa-

*SKLYAROV, V.M.*

AUTHOR: Sklyarov, V. M.

TITLE: Selection and Training of Scientific Personnel on a Level of Modern Problems (Podbor i podgotovka nauchnykh kadrov na uroven' sovremennoykh zadach)

PERIODICAL: Meteorologiya i Gidrologiya, 1957, Nr 1, pp 3-7 (U.S.S.R.)

ABSTRACT: In connection with the resolution of the 20th Congress of the Communist Party, USSR, calling for the furthering of Soviet science including the science of hydrology and meteorology, the author points out the importance and need for the training of more scientific personnel. At the present time he claims "we cannot be fully satisfied either with the qualification level of scientific workers or with the results of their scientific-research work carried on so far." This is true particularly with respect to short- and long-term weather forecasting. When the face of old Russia is being changed, when sea-going vessels are entering the Zaporozhe (Coal and Ore mining sections) and when Siberia is being transformed into the most powerful site of electric power and industry in the world, one can only well realize how important accurate and timely weather prediction can be for the economy of the nation. Even though Soviet scientific progress for the past 25 years has succeeded in penetrating the "dark curtain" enveloping the secret of weather formation,

Card 1/3

Selection and Training of Scientific Personnel on a Level of Modern Problems

this way will it be possible to recruit competent and efficient persons  
to be the scientists of the future.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 3/3

AUTHOR: Sklyarov, V. M. 50-58-3-17/22

TITLE: On the New Cloud Atlas (O novom atlase oblakov).  
(General Administration of the Hydrometeorological Service  
in the Cabinet Council of the USSR. "Atlas of Clouds".  
Edited by A. Kh. Khrgian. Publisher Gidrometeoizdat L. 1957)

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 3, pp 59-61 (USSR)

ABSTRACT: A correct determination of the cloud forms and their exact coding in synoptic telegrams is of special importance for a meteorological forecast in modern weather service. At the same time the determination of the cloud forms causes great difficulties in the daily work of most observers. This explains the great care which is applied with regard to the quality of the observations of clouds. Practically the determination of the cloud forms should show which of the tables (photographs) of the cloud atlas most corresponds to the external characteristics of the observed clouds. Although for the correct determination of a cloud form the external similarity with one or the other atlas table is sometimes not sufficient, a good quality of the respective atlas is of special

Card 1/2

50-53-3-17/22

On the New Cloud Atlas. (General Administration of the Hydrometeorological Service in the Cabinet Council of the USSR. "Atlas of Clouds".  
Edited by A. Kh. Khrigian. Publisher Gidrometeoizdat L. 1957)

importance. The main characteristic of the atlas (publisher Gidrometeoizdat, 1957) treated in this article is that it was almost completely compiled on the basis of data collected in the USSR. The new atlas really represents an original work of a group of scientists and practical collaborators. But this atlas has some deficiencies which are enumerated in the article. One of the chief deficiencies is its onesidedness, it is badly arranged. The explanatory text was in the major part of the edition edited in form of a separate booklet which is much smaller than the atlas. Two tables are published on every sheet of paper which represents an additional difficulty for the observer's work. All these deficiencies confirm that the authors and especially the editor A. Kh. Khrigian negligently compiled this work.

1. Clouds--Classification    2. Pictures--Applications    3. Clouds  
--Configuration    4. Meteorology

Card 2/2

PHASE I BOOK EXPLOITATION

sov/4889

Sklyarov, Viktor Mironovich

Meteorologiya i meteorologicheskiye nablyudeniya; obshchedostupnyy kurs  
(Meteorology and Meteorological Observations; Popular Course)  
Leningrad, Gidrometeoizdat, 1960. 368 p. Errata slip inserted. 10,000  
copies printed.

Resp. Ed.: A. M. Kitaytsev; Ed.: V. S. Protopopov; Tech. Ed.: M. I. Braynina.

PURPOSE: This textbook is intended for students in hydrometeorological schools.  
It may be used in courses for training and improving the qualifications of  
observers, as well as those of technical workers in the meteorological network.

COVERAGE: The book contains basic data on general meteorology, describes the instruments and methods used in meteorological observations, and explains the elementary concepts of synoptic processes and methods in weather forecasting. The book also reviews the history of meteorology and presents some data on the organization of the Hydrometeorological Service of the USSR. The material is based on educational, scientific, technical, and popular literature, as well

Card-1/6

Meteorology and Meteorological (Cont.)

sov/4339

as on the author's experience as an observer and chief at meteorological stations of the Hydrometeorological Service and Glavsevermorput' (Main Administration of the Northern Sea Route). The author thanks B. P. Karol' and A. M. Kitaytsev. There are 13 references , all Soviet.

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2. Short essay on the development of meteorology	10
3. Hydrometeorological service of the USSR	20
Ch. II. General Characteristics of the Atmosphere and of the Methods for Studying It	
4. Composition, height, and structure of the atmosphere	27
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Card 2/6.....

SKLYAROV, V.M.

In memory of lost friends. Meteor. i gidrol. no.10:59-63 O '60.  
(MIRA 13:10)  
(Meteorologists, Russian)

SKLYAROV, V.M.

The forthcoming All-Union Meteorological Conference. Meteor. i  
gidrol. no.12:52-53 D '60. (MIRA 13:11)  
(Meteorology--Congresses)

SKLYAROV, V.M.

Earned awards. Meteor. i gidrol. no.10:63-64 o '62.

(MIRA 15:9)

(Rewards (Prizes, etc)) (Moscow—Exhibitions)

SKLYAROV, V.M., otv. red.; GRIBANOV, N.N., red.; MUROMTSEV, A.M.,  
red.; POGOSYAN, Kh.P., red.; PROTOPOPOV, V.S., red.; RUDNEV,  
G.V., red.; SOKOLOV, A.A., red.; SOLOV'IEV, V.A., red.;  
USMANOV, R.F., red.; ZHDANOVA, L.P., red.; RUSAKOVA, G.Ya.,  
red.; CHEPELKINA, L.A., red.; KOLESOVA, Z.M., tekhn.red.

[Man and the elements; hydrometeorologic desk calendar for  
1964] Chelovek i stikhia; nastol'nyi gidrometeorologicheskii  
kalendar' 1964. Leningrad, Gidrometeorologicheskoe izd-vo,  
1963. 154 p. (MIRA 17:2)

SKLYAROV, V.M.

Training aerometeorological team of the 9th Soviet Antarctic Expedition. Meteor. i gidrol. no. 6:43-45 Je '64. (EPA 17:8)

1. Nachal'nik aerometerorologicheskogo otryada 9-y Sovetskoy antarkticheskoy ekspeditsii.

SKLYAROV, V.M.

Reconstruction of the meteorological station at the Mirnyy South  
Polar observatory. Meteor. i gidrol. no.4:42-46 Ap '65.  
(MIRA 18:4)

1. Nachal'nik aerometeologicheskogo otryada 9-y Sovetskoy  
antarkticheskoy ekspeditsii; observatoriya Mirnyy.

SKLYAROV, V.Ya.

Medical and hygienic service for school pupil brigades in  
Stavropol Territory. Zdrav.Ros.Feder. 3 no.8:28-31 Ag '59.  
(MIRA 12:11)  
1. Glavnnyy vrach Stavropol'skoy krayevoy sanitarno-epidemiolo-  
gicheskoy stantsii.  
(STAVROPOL TERRITORY--CHILDREN--CARE AND HYGIENE)

SHAROVA, M.A.; SKLYAROV, V.Ya.

Hygienic evaluation of agricultural work for school children  
in the children's brigades of Stavropol' Province. Uch.zap.  
Mosk. nauch.-issl. inst. san. i gig. no.2:12-14'59  
(MIRA 16:11)

1. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i  
gigiyeny imeni F.F. Erismana i Stavropol'skaya krayevaya  
sanitarno-epidemiologicheskaya stantsiya.

MAKAROV, N.I.; SKLYAROV, V.Ya.; ALIKPEROVA, Sh.M.; NADZHAROV, A.F.;  
DZEBISASHVILI, Yu.I.; MNATSAKANYAN, A.G.; ODINOCHENKO, O.N.;  
AZUGAROVA, M.Kh.; ZYUZIN, A.S.

Morbidity from anthrax in animals and humans in Ciscaucasia and  
Transcaucasus in 1960-1961: authors' abstract. Zhur. mikrobiol.  
epid. i immun. 40 no.5:112-113 My '63. (MIRA 17:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta  
Kavkaza i Zakavkazya, Azerbaydzhanskoy, Armyanskoy, Gruzinskoy,  
Severo-Osetinskoy, Checheno-Ingushskoy respublikanskikh sanitarno-  
epidemiologicheskikh stantsiy i Azerbaydzhanskoy protivochumnoy  
stantsii.

SKLYAROV, V.Ya.

Expansion of anthrax in Stavropol Territory. Zhur.mikrobiol.,epid.  
i.immun. 41 no.5:138-141 My '64. (MIRA 18:2)

1. Nauchno-issledovatel'skiy protivochumnyy institut Kavkaza i  
Zakavkaz'ya, Stavropol'.

SKLYAROV, IIA. I.

33/54. Rol' Zhelidka V Obrene Ioda V Organizme. Uchen. Zapiski (Chernovits.  
Gos. Med. In-t), T. 1, 1949, c. 33-38.

SO. Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

SKLYAROV, Ya.P.

Conjugate function of the greater hemispheres of the brain. Zh.  
vyshei nerv. deiat. 2 no. 2:191-197 Mar-Apr 1952. (CIML 23:3)

1. Department of Normal Physiology of Chernovitzy Medical Institute.

SKLYAROV, Ya.P., professor

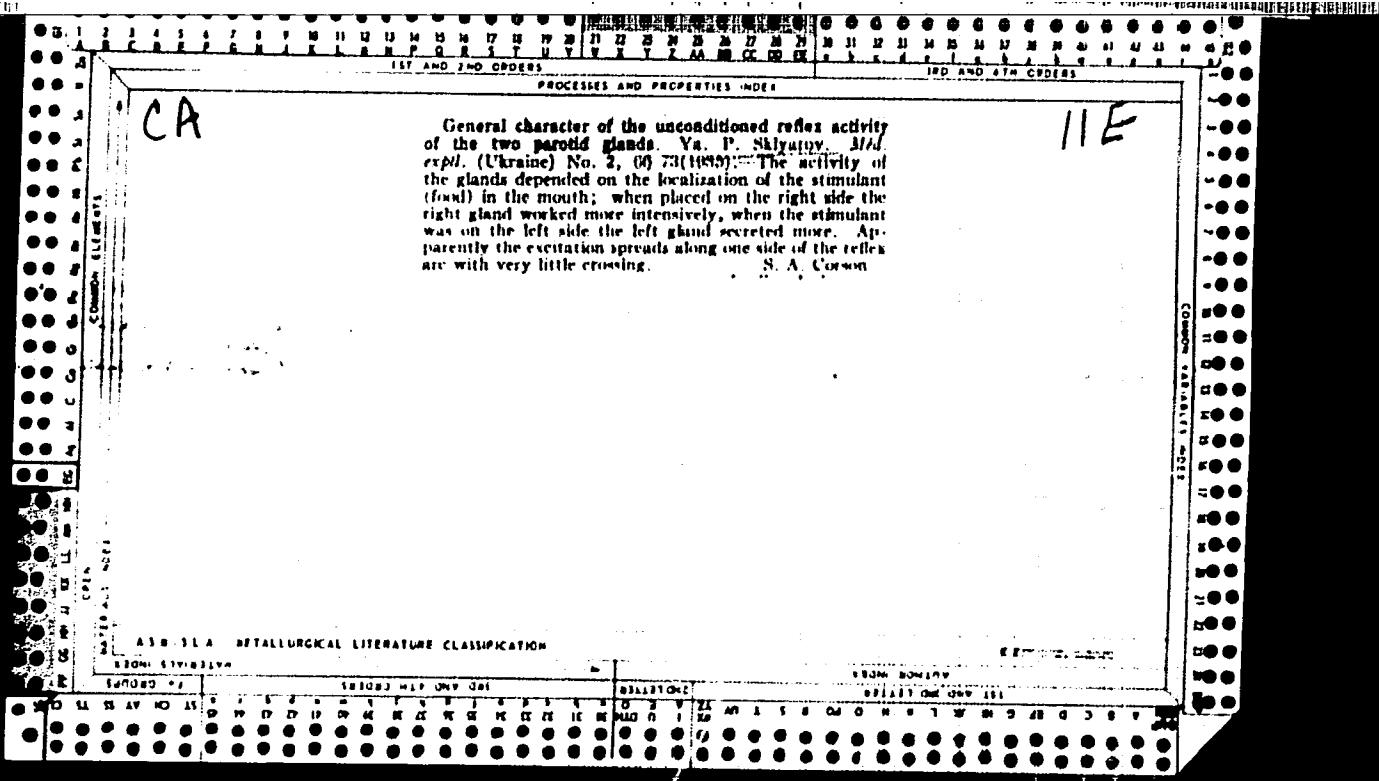
Scientific sessions of the Chernovtsy branch of the Society in  
1951. Vop. fiziol. no.5:162-163 '53. (MLRA 8:1)

1. Predsedatel' Chernovitskogo otdeleniya Ukrainskogo obshchestva  
fiziologov, biokhimikov i farmakologov  
(CHERNOVTSY--PHYSIOLOGY--SOCIETIES)  
(CHERNOVTSY--BIOCHEMISTRY--SOCIETIES)  
(CHERNOVTSY--PHARMACOLOGY--SOCIETIES)

SKLYAROV, Yakov Pavlovich; VOL'BOBT, G.V., professor, redaktor;  
KVITKO, I.S., redaktor izdatel'stva; PETROVA, T.N., tekhnicheskiy  
redaktor

[Physiology of the higher nervous activity; a concise manual for  
students and physicians] Fiziologiya vysshei nervnoi deiatel'nosti;  
kratkoe posobie dlia studentov i vrachei. [L'vov] Izd-vo L'vov-  
skogo gos. univ., 1955. 142 p. (MIRA 9:7)

1. Deystvitel'nyy chlen AN USSR (for Vol'bort)  
(PSYCHOLOGY, PHYSIOLOGICAL)



SKLYAROV, Ya. P.

USSR/Human and Animal Physiology - The Nervous System.

v-10

Abs Jour : Ref Zhur - Biol., No 2, 1958, 9064

Author : Ya.V. Ganitkevich and Ya.P. Sklyarov

Inst : -  
Title : The Effect of the Rise and Fall of the Bile Level on  
Cortical Excitatory and Inhibitory Processes.

Orig Pub : Zhurnal vyssh. nervn. deyatel'nosti, 1956, 6, No 6, 855-  
862

Abstract : In six dogs with fistulas of the gall bladder a study was  
made of the effect of decreasing and increasing (by clo-  
sing the fistula) the amount of bile in the organism.  
A short-term (1-2 day) increase in bilirubin in the blood  
is accompanied by a rise in cortical excitability with a  
tendency toward inhibition. Prolonged checking of the  
flow of bile and signs of icterus were accompanied by the  
impairment of processes of internal inhibition and the gra-  
dual development of total inhibition (intoxication).

Card 1/2

The Nervous System.

v-10

SKLYAROV, Yakov Pavlovich

[Secretory efficiency of the principal digestive glands]  
Sekretnaia rabotosposobnost' glavnikh pishchevaritel'nykh  
zhelez. Kiyev, Gosmedizdat, USSR, 1958. 181 p.  
(MIRA 12:6)

(SECRETION)

(DIGESTION)

FOL'BORT, G.V., akademik, otv.red.; KAVETSKIY, R.Ye., akademik, red.;  
IVANOV, V.N., akademik, red.; PRIKHOD'KOVA, Ye.K., red.;  
MAKARCHENKO, A.F., red.; PUTILIN, N.I., doktor med.nauk, red.;  
SKLYAROV, Ya.P., doktor med.nauk, red.; TORSKAYA, I.V., starshiy  
nauchnyy sotrudnik, red.; GRUDZINSKAYA, O.S., red.; izd-va;  
YURCHISHIN, V.I., tekhn.red..

[Problems in the physiology of the processes of fatigue and  
restoration] Voprosy fiziologii protsessov utomleniya i vos-  
stanovleniya. Kiev, 1958. 242 p. (MIRA 11:12)

1. Akademiya nauk Ukrainskoy SSR. Kiev. Institut fiziologii.
2. AN Ukrainskoy SSR (for Fol'bort, Kavetskiy, Ivanov). 3. Chlen-korrespondent AN Ukrainskoy SSR (for Prikhod'kova, Makarchenko).
4. Kiievskiy meditsinskiy institut, Kafedra normal'noy fiziologii  
(for Putilin). 5. L'vovskiy meditsinskiy institut, Kafedra  
normal'noy fiziologii (for Sklyarov).  
(FATIGUE)

KARPENKO, L.N., SKLYAROV, Ya.P.

Role of neural and humoro-chemical factors in the restoration  
of the secretory functions of the gastric glands [with summary  
in English]. Fiziol.zhur. 44 no.10:969-975 O '58 (MIRA 12:1)

1. From the department of physiology, Medical Institute, L'vov.  
(GASTRIC JUICE,  
secretion, neural & humoro-chem. factors in restoration  
(Rus))

KARPENKO, L.M.; SKLYAROV, Ya.P.

Effect of reflex and direct stimulation of cortical points on the secretion and composition of saliva. Fiziol. zhur. [Ukr.] 5 no.5:  
(MIRA 13:3)  
571-574 S-O '59

1. L'vovskiy meditsinskiy institut, kafedra fiziologii.  
(SALIVA) (CEREBRAL CORTEX)

GRECHISHKINA, A.P.; SKLYAROV, Ya.P.

Role of the nervous system in the mechanism of inhibitory effect  
of fat on gastric secretion [with summary in English]. Fiziol.zhur.  
(MIRA 12:2)  
45 no.1:91-96 Ja '59.

1. From the department of physiology, Medical Institute, Tcherno-  
vitz, and the department of physiology, Medical Institute, Lvov.

(AUTONOMIC NERVOUS SYSTEM, physiol.

eff. of autonomic interruption on gastric fat secretion  
in dogs (Rus))

(STOMACH, physiol.

same)

(FAT, metab.

same)

ANASTAS'YEVA, N.V.; SKLYAROV, Ya.P....

Functional changes in the absorption capacity of the small intestine during prolonged absorption of lipids. Fiziol. zhur. [Ukr.] 6 no.3: (MIRA 13:7) 328-335 My-Je '60.

1. L'vovskiy meditsinskiy institut, kafedra normal'noy fiziologii.  
(INTESTINES) (ABSORPTION (PHYSIOLOGY))  
(LIPIDS)

KARPENKO, L.N.; SKLYAROV, Ya.P.

Excitation and inhibition of the cerebral cortex by direct  
stimulation. Zhur. vys. nerv. deiat. 10 no. 5:732-736 S-0  
'60. (MIRA 13:12)

1. Kafedra fiziologii L'vovskogo meditsinskogo instituta.  
(CEREBRAL CORTEX)

SKLYAROV, V.A. P., and KARPENKO, L. N. (USSR)

"Activity of Cholinesterase, Monoaminoxidase and Diaminoxidase of  
the Gastric Mucosa when a Rest and Active."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

SKLYAROV, Ya.P., KONONENKO V.S. (USSR)

"The Cholinesterase Activity of the Tissue of the Cerebral Hemispheres  
in Unconditioned and Conditioned Reflex Excitation."

Report presented at the 5th Int'l Biochemistry Congress,  
Moscow, 10-16 Aug. 1961

SKLYAROV, Yakov Pavlovich; USPENSKIY, V.I., red.; SENCHILO, K.K.,  
tekhn, red.

[Gastric secretion] Zheludochnaya sekretsiya. 2. izd. Mo-  
skva, Medgiz, 1961. 218 p. (MIRA 15:7)  
(STOMACH--SECRECTIONS)

SKLYAROV, Ya.P.; KARPENKO, L.N.

Effect of food stimulation on the cholinolytic activity of the gastric  
mucosa. Fiziol. zhur. 47 no.4:472-474 Ap '61. (MIRA 14:6)

1. From the Normal Physiology Chair, Medical Institute, Lvov.  
(STOMACH) (CHOLINE)

ANASTAS'YEVA, N.V. [Anastas'ieva, N.V.]: SKLYAROV, Ya.P.

Physiological analysis of nervous influences on the absorption of  
lipids in the small intestine. Fiziol. zhur. [Ukr.] 8 no.2:185-  
192 Mr-Ap '62. (MIRA 15:5)

1. Department of Normal Physiology of Lvov Medical Institute.  
(INTESTINES--INNERVATION) (LIPIDS)  
(ABSORPTION (PHYSIOLOGY))

SKLYAROV, Ya.P.; KONONENKO, V.S.

Effect of food reflexes on the cholinesterase activity of nerve  
tissue in the cortical centers. Fiziol.zhur. 48 no.6:722-727 Je  
'62. (MIRA 15:8)

1. From the Department of Physiology, Medical Institute, Lvov.  
(CEPHRAL CORTEX) (CHOLINESTERASE) (CONDITIONEL RESPONSE)

PUTILIN, N.I., prof., ~~tv.~~ red.; ALEKSENTSEVA, E.S., prof., red.;  
MAKARCHENKO, A.F., akademik, red.; PRIKHOD'KOVA, Ye.K., prof.,  
red.; SKLYAROV, Ya.P., prof., red.; TORSKAYA, I.V., kand. biol.  
nauk, red.; FEL'DMAN, A.B., prof., red.; FILIPPOVA, A.G., kand.  
biol. nauk, red.; FUGOL', O.M., prof., red.; YANKOVSKAYA, Z.B.,  
red. izd-va; MATVEYCHUK, A.A., tekhn. red.

[Selected works] Izbrannye trudy. Kiev, Izd-vo Akad. nauk USSR,  
(MIRA 16:3)  
1962. 454 p.

1. Akademiya nauk Ukr. SSSR (for Makarchenko).  
(PHYSIOLOGY)

SKIDMORE, V. L., 1938.

Current wholesale prices and work indices of a shipyard. Subsidiaries  
(MIRA 18:9)  
Ref. no. 7:48-49 - JI '64.

SKLYAROV, Yuriy Andreyevich; NAYMARK, S.L., red.

[Tyumen' builds] Tiumen' stroitsia. Tiumen', Tiumenskoe  
knizhnoe izd-vo, 1963. 34 p. (MIRA 17:4)

SKLYAROV, Yu.A.

Observations of minor planets at the astronomical observatory of the  
Chernyshevskii State University in Saratov. Astron.tsir. no.146:2 F '54.  
(MLRA 7:6)

1. Kafedra astronomii Saratovskogo Gosuniversiteta imeni N.G.Chernyshev-  
skogo. (Planets, Minor)

SKLYAROV, Yu. A.

V'YUSHKOV, P.V.; SKLYAROV, Yu.A.

Observations of Pons-Brooks comet (1953c) at the Astronomical  
Observatory of the Chernyshevskii State University in Saratov.  
Astron.tsir. no.150:1-2 Je '54. (MLRA 8:3)

1. Kafedra astronomii Saratovskogo Gosuniversiteta imeni N.G.  
Chernyshevskogo.  
(Comets--1953)

SKLYAROV, Yu.A.

Integral brightness of Abell's comet 1953g. Astron.tsir.no.152:  
3-4 S '54. (MIRA 8:3)

1. Kafedra astronomii Saratovskogo Gosuniversiteta imeni N.G.  
Chernyshevskogo.  
(Comets—1953)

SKLYAROV, Yu.A.

Observations of minor planets at the astronomical observatory of  
the Chernyshevskii University in Saratov in 1954. Astron.tsir.  
no.160:6-7 Je'55. (MIRA 8:12)

1. Kafedra teoreticheskoy fiziki, Saratovskiy universitet  
(Planets, Minor)

ACCESSION NR: AP4040847

S/0033/64/041/003/0555/0558

AUTHOR: V'yushkov, P. V.; Sklyarov, Yu. A.

TITLE: A bolometric pyrheliometer as a reference instrument for absolute measurements of direct solar radiation

SOURCE: Astronomicheskiy zhurnal, v. 41, no. 3, 1964, 555-558

TOPIC TAGS: bolometric pyrheliometer, micrometric screw, black body, radiation receiver, resistance power, instrumental error, angstrom pyrheliometer

ABSTRACT: A new model of the Sklyarov bolometric pyrheliometer has been designed in which all defects of the previous model have been eliminated. The receiver tube which contains the radiation receiver is mounted on a stand. The stand has micrometer screws and an aiming device. Behind the radiation receiver is a chamber which represents a model black body and absorbs the light passing through the receiver. The radiation receivers are made of different kinds of copper wires with various resistance power. The electrical part of the pyrheliometer is located in a special box. Formulas are

Card 1/2

ACCESSION NR: AP4040847

developed for determining instrumental errors. The new model bolometric pyrheliometers were compared with the USSR standard No. 212 Ångström pyrheliometer. The agreement of results was good, which shows reliable reproducibility of their scales. The bolometric pyrheliometer has a number of advantages over the Ångström pyrheliometer. Orig. art. has: 1 table and 3 formulas.

ASSOCIATION: none

SUBMITTED: 23Sep63

ENCL: 00

SUB CODE: AA

NO REF SOV: 003

OTHER: 000

Card 2/2

L 13166-66 FBD/EWT(1)/EFC(k)-2/T/EFE(k)/EHA(m)-2/EHA(h) SCTR/LIR(a) WJ

ACC NR: AP6001585

SOURCE CODE: UR/0120/65/000/006/0165/0167

AUTHOR: Sklyarov, Yu. A.; Sedel'nikov, V. A.; Kats, L. I. 39

ORG: Scientific Research Institute of Mechanics and Physics, SGU, Saratov (Nauchno-issledovatel'skiy institut mekhaniki i fiziki SGU)

TITLE: Absolute bolometric system for measuring continuous-laser output 25/4

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1965, 165-167

TOPIC TAGS: bolometer, infrared bolometer, radiation measurement

ABSTRACT: A device for measuring the output power of continuous lasers is described. As a pickup element it employs a wire-type resistance bolometer in the form of a flat single-layer spiral ( $\phi \sim 0.05$  mm). The bolometer operates by comparing the thermal effects of the measured emission with the calibrated current on the pickup element. The comparison is performed on a balanced resistance bridge, one branch of which serves as a radiation pickup with a large thermal resistance coefficient. Thermal resistance coefficients of the other branches are small; the bridge is balanced by varying the current which passes through the pickup. Structurally, the system is contained in two units—a detection unit and a control unit. The former is in the form of a tube with diaphragms in which the radiation pickup is mounted. The radiation receiving area is  $0.2 \text{ cm}^2$  for a 3.5-ohm resistance. The circuit diagram of the system is shown in the accompanying figure. All bridge

Card 1/2

UDC: 535.231.62:621.378.325

L 13166-66

ACC NR: AP6001585

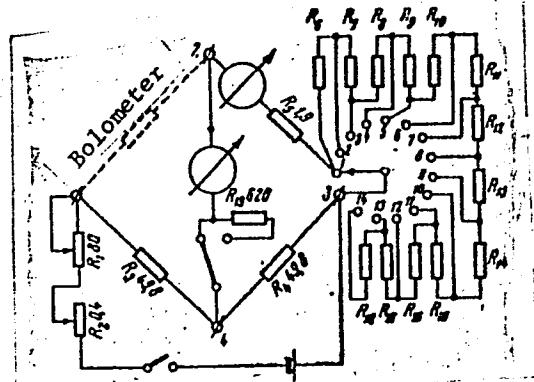


Fig. 1. Circuit diagram of the bolometric system

resistors are made of thick manganese wire. The power supply is from a 1-5-v source. Radiation measurements both in the visible and near infrared regions of the spectrum are possible. No calibration is required, and the results are given in absolute units in the range of 0.02-30 mw. Measurement accuracy is  $\pm 5\%$ . A gas laser was used to study the operation of the device in the near-infrared region. Orig. art. has: 2 figures and 1 table.

[JR]

SUB CODE: 20, 09 SUBM DATE: 11Nov64/ ORIG REF: 005/ ATD PBSS: 4182

Card 2/2

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001551020007-0

SKLYAROV, Yu.A.

Calculation of certain errors of a bolometric pyrheliometer.  
(MIRA 17:7)  
Trudy GGO no.152:81-89 '64.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001551020007-0"

SKLYAROV, Yu.N.

School of advanced experience; battery workers study the method developed by I.G.Tornushenko and A.P.Gavrilov. Elek. i tepl.tiaga no.9:23 S '57. (MIRA 10:10)

(Electric batteries)

YEVDOKIMOV, I.I.; ALEKSEYEV, V.D.; ASHIKHMIN, A.K.; BAYEV, N.V.; BEGLAR'YAN, P.A.; BYCHKOV, I.A.; VESLOVA, Ye.T.; VYZHEKHOVSKAYA, M.F.; GURETSKIY, S.A.; DEMIDOV, I.M.; YESIPOV, Ye.P.; ZHUKOV, V.D.; ZELINSKIY, M.G.; ZOL'NIKOV, F.T.; ZOLOTOVA, L.I.; KIVIN, A.N.; KOMARNITSEKIY, Yu.A.; KONSTANTINOV, A.N.; KUL'CHITSKAYA, A.K.; MAKSIMENKO, I.I.; MELENT'YEV, A.A.; MOROZOV, I.G.; MURZINOV, M.I.; OZEMBLOVSKIY, Ch.S.; OSTRYAKOV, K.I.; PANINA, A.A.; PAVLOVSKIY, V.V.; PERMINOV, A.S.; PERSHIN, B.F.; PRONIN, S.F.; PSHENNYY, A.I.; POKROVSKIY, M.I.; RASPONOMAREV, Ye.A.; SEMIN, I.N.; SKLYAROV, Yu.N.; TIBABSHEV, A.I.; FARBEROV, Ya.D.; FEDOROV, G.P.; SHUL'GIN, Y.M.S.; YAKIMOV, I.A.; VERINA, G.P., tekhn.red.

[Labor feats of railway workers; stories about the innovators]  
Trudovye podvigi zheleznodorozhnikov; rasskazy o novatorakh. Moskva,  
Gos.transp.zhel-dor.izd-vo, 1959. 267 p. (MIRA 12:9)  
(Railroads) (Socialist competition)

SKLYAROV, Yu.N.; GURETSKIY, S.A.

Flanged brake shoes with hard insets. Elek. i teplo. tiaga 3.  
no. 3:24-25 Mr '59. (MIRA 12:5)  
(Electric railroads--Brakes)

VISIN, Nikolay Grigor'yevich; SKLYAROV, Yu.N., inzh., retsenzent; YAKOVLEV, D.V., inzh., red.; KHITROVA, N.A., tekhn. red.

[Synchronous starting of S<sup>r</sup> and S<sub>3</sub><sup>r</sup> electric sections; practice of the workers of the Bezymyanka repair shop of the Kuybyshev Railroad] Sinkhronnyi pusk elektrosektsaai S<sup>r</sup> i S<sub>3</sub><sup>r</sup>; cpyt raboty kol-lektiva elektrodepo Bezymianka Kuibyshevskoi dorogi. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961.

42 p.  
(Railroad motorcars) (Bezymyanka—Railroads—Repair shops)

(MIRA 14:7)

ZALESSKIY, L.G., inzh.; SREBNYY, Yu.L., inzh.; IL'IN, I.P., inzh.,  
retsenzent; SKLYAROV, Yu.N., inzh., red.; EROZDOVA, N.D.,  
tekhn. red.

[Electric circuits of the ER1 and ER2 electric trains]  
Elektricheskie skhemy elektrovozov ER1 i ER2. Moskva,  
Transzheldorizdat, 1963. 69 p. (MIRA 17:2)

AKAMINTSEV, P.A., kand. tekhn. nauk; KUDRIISKII, M.P., inzh.; SKLYAROV,  
Yu.S., inzh.

Selection of optimal wire sizes in power network design. Elektri-  
cheskoe stroyenie no. 8:44-48 Ag '65.  
(MIRA 18:9)

I. Uralskiy politekhnicheskiy institut imeni Kirova.

SKLYAROVA, A.P.; METEL'SKAYA, G.S., uchitel' nitsa

Preparing students for active assimilation of the study material.  
Biol. v shkole no.1:43-47 Ja-M '59. (MIRA 12:2)

1. Vologodskiy pedagogicheskiy institut (for Sklyarova). 2. Shko-  
la No.713, Moskva (Metel'skaya)  
(Biology--Study and teaching)

POGOSYAN, K.S., kand. biolog. nauk; SKLYAROVA, I.A.

Behavior of grapevines during thaws followed by frosts. Agro-  
biologiya no.1:127-130 Ja-F '65. (MIRA 18:4)

1. Institut vinogradarstva, vinodeliya i plodovodstva, Yerevan.

SKLYAROVA, L.A., inzh.

Protecting electroplating baths with thin-layer plastic coatings.  
Mashinostroenie no. 5:83-84 S-O '65. (MIRA 18:9)

SKLYAROVA, M.I.

Effect of reserpine on the enterochromaffin cells of the small intestine. Biul. eksp. biol. i med. no.2:78-79 F '61.  
(MIRA 14:5)

1. Iz kafedry histologii (zav. - dotsent A.P.Dyban) i kafedry gospital'noy terapii (zav. - dotsent I.I.Markov) L'vovskogo meditsinskogo instituta. Predstavlena deystvit'nym chlenom AMN SSSR V.V.Parinym.  
(RESERPINE) (INTESTINES)  
(SEROTONIN)

SKLYAROVA, M.I.

Effect of reserpine on the chronaximetric and sphygmomanometric indices in an experiment and in the treatment of hypertension patients. Nauch. trudy L'vov. obl. terap. ob-va no.1:262-267 '62.  
(MIRA 16:5)

1. Kafedra gospital'noy terapii L'vovskogo meditsinskogo instituta (zav. kafedroy - dotsent I.I. Markov).  
(HYPERTENSION) (RESERPINE) (CHRONAXIA)  
(BLOOD PRESSURE)

SKLYAROVA, N.N.

1203. Comparative evaluation of vaccines against pertussis. I. The protective action of sera obtained by vaccination with different vaccines. N. N. Sklyarova Zh. Mikrobiol., 1955, No. 3, 47-53; Refrat. zh. Biol., 1956, Abstr. No. 71203.—One group of rabbits was immunised with a suspension of pertussis bacteria in saline, heated at 100° for 1-1½ hours to destroy the thermolabile antigens. A second group was immunised with a suspension treated with 0.4% formalin to reduce the toxicity without destroying the thermolabile antigen complex. A third group received a live suspension. The protective action of such rabbit sera is best demonstrated by introducing a 0.05 ml. dose intranasally into mice and infecting the mice by the same route 1 hr. later. All the sera tested exhibited a protective action against infective doses of  $12.5 \times 10^4$  *Haemophilus pertussis*. With larger infective doses ( $10^6$ ), sera by immunisation with living culture were the most successful, sera from formalin-treated vaccine were less effective, and the poorest of all were the

sera from heat treated vaccine. The protective action of sera against live culture is considerably reduced after absorption with heat-treated culture. The thermolabile antigens are a necessary component of pertussis vaccine. The thermolabile antigen complex must be preserved to raise the efficiency of the vaccine. The immunogenicity of the thermolabile complex is reduced by formalin treatment. (Russian)

C. FRASER

SKLYAROVA, N.N.; SOFRONOV, B.N.

Experience in the practical application of laboratory diagnosis of  
whooping cough in the polyclinic. Zhur.mikrobiol.epid. i immun.  
27 no.4:22-26 Ap '56. (MLRA 9:7)

1. Iz Instituta imeni Pastera i Instituta eksperimental'noy meditsiny  
AMN SSSR.  
(WHOOPING COUGH, prev. and control  
laboratory tests)

SKLYAROVA, N.N.; GRIGOR'YEVA, N.O.

Diagnosis of whooping cough in children's institutions. Zhur.  
mikrobiol.epid. i immun. 27 no.4:26-27 Ap '56. (MLRA 9:?)

1. Iz laboratorii kapel'nykh infektsiy Instituta imeni Pastera.  
(WHOOPING COUGH)

SKLYAROVA, N.N.

Indicators of immunity to whooping cough in different age groups.  
Trudy Len. inst. epid. i mikrobiol. 18:90-95'58. (MIRA 1687)

1. Iz laboratorii kapel'nykh infektsiy Leningradskogo instituta  
epidemiologii, mikrobiologii i gigiyeny imeni Pastera (zav.N.N.  
Rubel').

(WHOOPING COUGH) (IMMUNITY)

SKLYAROVA, N.N.

Immunological effectiveness of vaccination against whooping cough.  
Trudy Len.inst.epid. i mikrobiol. 18:96-102'58. (MIRA 16:7)

1. Iz laboratorii kapel'nykh infektsiy Leningradskogo instituta  
epidemiologii, mikrobiologii i gigiyeny imeni Pastera (zav.N.N.  
Rubel').  
(WHOOPING COUGH—PREVENTIVE INOCULATION)

KOZLOVA, N.A.; SKLYAROVA, N.N.; IOANNESYAN, B.I.

Epidemiological problems in preventing focal spread of whooping cough with syntomycin. Trudy Len.inst.epid.i mikrobiol. 18: 111-117'58. (MIRA 16:7)

1. Iz sektora epidemiologii i iz laboratorii detskikh kapel'nykh infektsiy Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera i iz otdela mikrobiologii Instituta eksperimental'noy meditsiny AMN SSSR.  
(WHOPPING COUGH) (ACETAMIDE)

*SKLYARENKO, N.N.*

*Specific Proportion of Pertussis*, published by MEDGIZ, MOSCOW, 1958  
ed. by V. I. Tikhonov, Dir. Lab. of Specific Prophylaxis of Pertussis

and Tuberculosis, Inst. of Hygiene and Microbiology, in R.P. Commiss. of

Med. and Medical Sci., USSR

At the scientific conference on the specific prophylaxis of pertussis conducted by  
the Institute of Epidemiology and Microbiology in. A. V. Chumakov, Acad. Medical Sci.  
USSR, together with other Institute and medical establishments, papers were read by  
the following (see Table of Contents)

see also

B. N. Shlyavchenko (Institute of Epidemiology Microbiology and  
Immunobiology in. Pertussis): Immunologic effectiveness of pertussis  
vaccination 116

N. A. Bubak'yan (see above for page 29): Indicators of immunity in  
children vaccinated with pertussis and pertussis-diphtheria  
vaccine 122

A. A. Shchukter et al. (Kiev Inst. of Epidemiology and Microbiol.):  
Immunologic indices in children vaccinated with pertussis vaccine 122

B. I. Polans et al. (Chairman of see above, page 29): Immunologic  
effectiveness of soluble antigen of the pertussis organism under  
experimental conditions 124

N. S. Zabotina et al. (see above and Lab. of virological structures  
of the Academy of Sciences USSR): Methods for preparation and  
experimental study of the fundamental biological properties of  
protective antigens of the pertussis organism 144

I. P. Sopronchikova (Inst. of Exper. Med. of Acad. of Med. Sciences):  
Effect of pertussis immunization on the course of an  
encephalitic reaction 153

P. V. Galperin (see directly above): 155 etc.);  
Comparative immunologic characteristics of the endotoxins of the  
pertussis organism and of the causative agent of bronchopneumonia 163

S. A. Anstelly (see page etc. above): The yield and granulation  
of pertussis organisms on various media 171

V. I. Tikhon (see Ref. see above): Some specific and general  
problems of the pathology of infection with respect to pertussis 174

SILYAROVA, N. N.

"On the humoral indicators of antipertussis immunity."

Report submitted at the 13th All-Union Congress of Hygienists,  
Epidemiologists and Infectionists. 1959

IOFFE, V.I., prof.; SKLYAROVA, N.N.

Some clinical immunological and epidemiological problems in whooping  
cough. Vest.AMN SSSR 15 no.3:30-33 '60, (MIRA 14:5)

1. Institut eksperimental'noy meditsiny i Institut imeni Pastera.  
(WHOOPING COUGH)

SKLYAROVA, N.N.; KOZLOVA, N.A.

Shortening the quarantine periods in whooping cough. *Zhur.mikrobiol.,*  
*(MIRA 14:10)*  
epid. i immun. 32 no.10:46-50 O '61.

1. Iz Leningradskogo instituta epidemiologii i mikrobiolgi im.  
Pastera.  
(WHOOPING COUGH)

TKL V. ROVKA, N.Y.

Date on the microfilm of this memorandum classification of  
Date on the microfilm of this memorandum classification of  
parapertussas in testifying. Date, 1960's or 1970's. (VIR-145)  
and 9-36-42 - 1970.

A. In testimony, the witness stated that he had been asked by the FBI to identify  
and furnish information concerning the identity of the man who had been seen in New York City.

IOFFE, Vladimir Il'ich; TSIROVA, Polina Vasil'yevna; ZLYANOVA,  
Nina Nikolayevna; KOZLOV, Nina Alekseyevna; DUR'YE,  
N.A., red.

[Whooping cough; its microbiology, immunology, specific  
prevention] Kekliush; mikrobiologija, imunologija,  
spetsificheskaja profilaktika. [By] V.I. Ioffe i dr.  
Leningrad, Meditsina, 1964. 282 p. (MIRA 18:1)

SKLYAROVA, F. G., Cand Med Sci -- (disc) "Study of the anti-narcotic and pressor action of ephedrine." Stalingrad, 1960. 20 pp; with graphs; (Ministry of Public Health RSFSR, Stalingrad State Medical Inst); 250 copies; price not given; (KL, 22-60, 145)

BELOUS, A.A.; SKLYAROVA, P.G.

Pharmacotherapy for experimental arthritis in rabbits. Farm. i  
toks. 24 no.4:467-469 Jl-Ag '61. (MIRA 14:9)

1. Kafedra farmakologii (zav. - prof. A.A.Belous) Stalinagradskogo  
gosudarstvennogo meditsinskogo instituta.  
(ARTHRITIS) (ADIPHENINE)

SKLYAROVA, T.U.

Study of strabismus in children. Oft. zhur. 16 no.5:283-288 '61.  
(MIRA 14:10)

1. Iz kliniki glaznykh bolezney (zav. - prof. N.V.Ochapovskaya)  
Kubanskogo meditsinskogo instituta i glaznogo otdeleniya krayevoy  
klinicheskoy bol'nitsy.  
(STRABISMUS)

SKLYAROVA, T.U.

Treatment of paralyses of the ocular muscles with nivaline.  
Zhur. nevr. i psikh. 62 no.2:239-242 '62. (MIRA 15:6)

1. Kafedra glaznykh bolezney (zav. - prof. N.V. Ochapovskaya)  
Kubanskogo meditsinskogo instituta i glaznoye otdeleniye  
Krasnodarskoy krayevoy klinicheskoy bol'nitsy (glavnyy vrach  
G.V. Novitskaya).  
(EYE--PARALYSIS) (GALANTHAMINE)

SKLYARENKO, T.V.

II-I

CA

Influence of phosphates on the development of Daphnia. T. V. Sklyarenko. *Acta Univ. Voronegensis* 10, No. 3, Sect. Zool., 115-23(1937).--Small concns. of phosphates (0.3-0.5 g. per l.) may be used in the artificial breeding of *Daphnia* and in the fertilizing of ponds. Higher concns. inhibit the development of *Daphnia*. H. Priestley

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECOND STANDBY

SEARCHED

INDEXED

SERIALIZED

FILED

SEARCHED

INDEXED

SERIALIZED

FILED

14-57-6-12748

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 6,  
pp 136-137 (USSR)

AUTHORS: Sklyarova, T. V., Shcherbakova, Z. P.

TITLE: Origin and Development of Plankton and Benthos on  
Collective Farms in Voronezhskaya Oblast (K voprosu  
o sostave i razvitiu planktona i bentosa kolkhoznykh  
prudov Voronezhskoy oblasti)

PERIODICAL: Tr. Voronezhsk. zoovet. in-ta, 1956, Vol 13, pp 67-78

ABSTRACT: The authors describe seven ponds in the Verkhne-Khava  
district which were formed when depressions with  
moderately sloping grassy banks were flooded. Water  
surface was clear and free of weeds; the ground was  
chernozem ooze with deposits of clay and plant residuum.  
Ponds, formed where natural or artificial bodies of  
water had previously existed, were stocked with pike,  
crucian carp, marlin, red perch, roach and perch. In

Card 1/3

14-57-6-1274S

## Origin and Development of Plankton (Cont.)

1950 some ponds were stocked with spawn and yearling carp. Since all these ponds were located in inhabited areas, they were also used for irrigation, for the cattle drinking water and for other agricultural and domestic purposes. When the ponds were examined in June, August and October, 1951, it was established that 112 invertebrate species were present in them. These supplied food for the fish. Zooplankton and benthos were classified by species and by seasonal genetic components. The ponds were found to contain 54 zooplankton species. Copepoda of the Cyclopidae group were most common; they were found, together with rotifera and cladocera, in all ponds. Benthos contained organisms of the following groups: Oligochaeta (3 species), Hirudinea (3), Malacostraca (2), Chironomidae larvae (13), other Insecta larvae (26), Mollusca (11). The larvae of the following were most frequently found: Chironomus plumosus and Culicoides, Asellus aquaticus, Herpobdella nigricollis and Glossiphonia complanata. Four of the seven ponds studied had "flowering water," caused by the blue green water flower

Card 2/3

14-57-6-12743

Origin and Development of Plankton (Cont.)

Aphanizomenon flos aquae. The number of indwelling species and the amount of available benthos and plankton differed from pond to pond. The authors advise that these data should be considered when the ponds are stocked.

Card 3/3

S. Ryabinina

SKLYAROVA, T.V.

Occurrence of a representative of the class Kamptozoa in the  
middle course of the Don River. Zool. zhur. 41 no.12:1889-  
1890 D '62. (MIRA 16:3)

1. Agricultural Institute of Voronezh.  
(Don River--Polyzoa)

SKLYAROVA, V.A.

Use of phytocides in sterilizing culture media. Trudy Inst. mikrobiol.  
i virus. M Kazakh SSR 2:243-246 '58 (MIRA 11:10)  
(PHYTONCIDES)  
(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)  
(STERILIZATION)

SKLYAROVA, V.A.

Use of phytocides of mustard in the sterilization of nutrient media.  
Izv. AN Kazakh. SSR. Ser.med. i fiziol. no.1:94-101 '59. (MIRA 13:1)

(PHYTONCIDES) (MUSTARD)  
(BACTERIOLOGY--CULTURES AND CULTURE MEDIA)

Sklyarova

V.G.

K-1

USSR/Meadow Cultivation - The Meadow.

Abs Jour : Referat Zhur - Biologiya, No 16, 25 Aug 1957, 69150

Author : Sklyarova, V.G.

Inst Title : Effect of Inundation on Yield of Estuary Meadows.

Orig Pub : Tr. In-ta vodn. i lesn. kh-va. Kazakhsk. fil. VASKhNIL,  
1956, 1, 93-98

Abstract : Data are given on the Kazakh branch of the scientific-experimental institute VASKhNIL for 1955 on the study of the character of inundated estuary meadows in the collective farm "Kisil-Djulbus" of the Akmolin district. The vegetation of inundated meadows is represented by a whole series of groupings. The elevated portions of the estuary were freed from water for 20 to 24 days and the water remained in the lower portions for 67 days. In this connection, different groupings remained under water for different periods. Prolonged inundation had

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K-1

USSR/Meadow Cultivation - The Meadow.

Abs Jour : Referat Zhur - Biologiya, No 16, 25 Aug 1957, 69150

a negative effect for the majority of vegetative groupings; sedge began to develop in them, and the value of grass fields was diminished. "Bekmanya" is most resistant to prolonged inundation. "Tipchak", which occupies a considerable place in meadow fields, reacts to inundation negatively and on prolonged inundation it uproots. To get best results the time limit of inundation in estuaries should be 18 to 20 days.

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"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001551020007-0

SKLYAROVA, V.G.

Flood conditions of depressed pasture lands in Akmolinsk Province.  
Vest.AN Kazakh.SSR 12 no.6:66-70 Je '56. (MLRA 9:8)  
(Akmolinsk Province--Pastures and meadows)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001551020007-0"

*Slyarova, V.V.*

USSR:

Determination of mono- and diacetonesorbose in the presence of one another and the preparation of monoacetonesorbose. T. I. Temnikova and V. V. Slyarova (A. A. Zhulav State Univ., Leningrad). *Zhur. Tekhn. Khim.* 27, 1131-2 (1954).—To 10 g. diacetonesorbose in 75 ml. H<sub>2</sub>O add 250 ml. 15% H<sub>2</sub>SO<sub>4</sub>, and keep the soln. 1 hr. at room temp. After neutralization with NaOH, distil off most of the H<sub>2</sub>O *in vacuo* at 30°. Feed the residue of Na<sub>2</sub>SO<sub>4</sub> and ext. continuously with Et<sub>2</sub>OAc. The dried ext. gave 2,3-monoacetonesorbose, m. 90-1°, [α]<sub>D</sub><sup>25</sup> 7.03. In 2 hr., 40% H<sub>2</sub>SO<sub>4</sub> causes complete hydrolysis to Me<sub>2</sub>CO and sorbose at room temp. For analysis, take up the sample (3 g.) in 200 ml. H<sub>2</sub>O. In a 10-ml. aliquot, det. free Me<sub>2</sub>CO by the NH-OH method; det. free sorbose in another 10-ml. aliquot by the Bertrand method. Treat a 10-ml. aliquot with 20 ml. 40% H<sub>2</sub>SO<sub>4</sub>, let stand 2 hr., neutralize, and analyze for Me<sub>2</sub>CO and sorbose. G. M. Konolapoff

AUTHORS: Temnikova, T. I., Kovalevskaya, R. N., Matvejenkova, N. I.,  
Sklyarova, V. V. SOV/79-29-2-7/71

TITLE: Investigation in the Field of Cyclic Acetals of Oxy-carbonyl Compounds (Issledovaniye v oblasti tsiklicheskih atsetaley oksikarbonil'nykh soyedineniy). IX. Ethyl Lactolides and Diethyl Ketals of Ethyl-benzoyl Carbinol and Propyl-benzoyl Carbinol (IX. Etillaktolidy i dietilketali etilbenzoilkarbinola i propilbenzoilkarbinola)

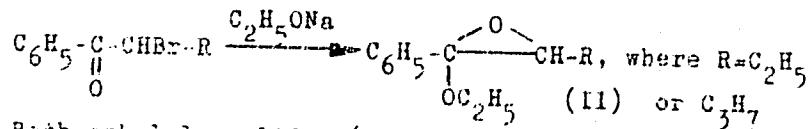
PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 2, pp 381-386 (USSR)

ABSTRACT: Investigation of ethyl lactolides of the  $\alpha$ -keto alcohols has been hitherto very scarce. Following up earlier papers by Temnikov and collaborators, as well as of other chemists, the present paper describes the synthesis of two new ethyl lactolides of the secondary aliphatic-aromatic  $\alpha$ -keto alcohols, ethyl-benzoyl carbinol and propyl-benzoyl carbinol. On carrying out the reaction in the usual way, i.e. by the action of a suspension of sodium ethylate in absolute ether, resinification occurred:

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SOV/79-29-2-7/71

Investigation in the Field of Cyclic Acetals of Oxy-carbonyl Compounds.  
IX. Ethyl Lactolides and Diethyl Ketals of Ethyl-benzoyl Carbinol and Propyl-benzoyl Carbinol



Both ethyl lactolides (yield 10-15%) are very unstable and immediately yield ethyl-benzoyl carbinol with water in an alkaline medium. On the action of sodium ethylate upon the same bromo-ketones in absolute alcohol resinification is insignificant; still, only with  $\alpha$ -bromo-butyl-phenyl ketone the separation of the corresponding lactolide (II, R=C<sub>3</sub>H<sub>7</sub>) was successful. On standing, however, either diethyl ketals of the corresponding  $\alpha$ -keto alcohols (III) or further transformation products are formed. Thus, on the action of sodium ethylate on  $\alpha$ -bromo-propyl-phenyl ketone not diethyl ketal is formed but a lactolide of ethyl-benzoyl carbinol (IV, R=C<sub>2</sub>H<sub>5</sub>). Diethyl ketals (III, R=C<sub>2</sub>H<sub>5</sub> or n-C<sub>3</sub>H<sub>7</sub>) are obtained at low temperature only. In analytically

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Investigation in the Field of Cyclic Acetals of Oxy-carbonyl Compounds.  
IX. Ethyl Lactolides and Diethyl Ketals of Ethyl-benzoyl Carbinol and Propyl-benzoyl Carbinol

pure state only diethyl ketal of ethyl-benzoyl carbinol was obtained, which is likewise very unstable. Ethyl lactolides are much more unstable than methyl lactolides of the same keto alcohols. On the action of  $ZnCl_2$  on the ethyl lactolide of propyl-benzoyl carbinol, a dimerization takes place in the cyclodioethyl dilactolide. There are 10 references, 6 of which are Soviet.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: December 31, 1958

Card 3/3

DZUGAYEV, V., arkhitektor; SKLYAROVA, Ye., arkhitektor

Plastic houses. Stroi.i arkhit. 8 no.6:12-13 Je '60.  
(MIRA 13:6)

(Plastics) (Apartment houses)

L 63611-65 EPF(c)/EPR/ENG(j)/EHP(j)/ENT(m)/ENG(m)/EPF(b)/T/WP(t) Pe-L/Pr-L/Pi-L  
ACCESSION NR: AP5017963 IJP(c)/RPL UR/0062/65/000/006/1093/1096  
RM/WW/RWH/JD547.024+542.94

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B

AUTHOR: Sklyarova, Ye. G.; Lukovnikov, A. F.; Khidekel', M. L.; Karpov, V. V.

TITLE: Phenoxy radicals as oxidation inhibitors and their interaction with hydroperoxides

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 6, 1965, 1093-1096

TOPIC TAGS: phenoxy radical, oxidation inhibitor, hydroperoxide, polypropylene

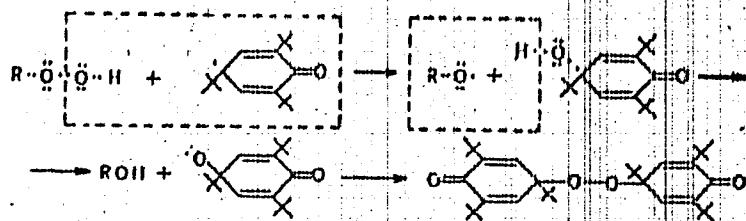
ABSTRACT: The inhibiting properties of some phenoxy radicals prepared by oxidizing 2,4,6-tri-tert-butylphenol (I), 2,4,6-triphenylphenol (II), and 4,4'-dihydroxy-3,5,3',5'-tetra-tert-butylidiphenolmethane (III) were tested on the oxidation of isotactic polypropylene, and were found to be quite effective. The kinetics of the reaction between 2,6-di-tert-butyl-4(3,5-di-tert-butyl-4-oxo-dicyclohexa-2,5-dienylidenemethyl)phenoxy (the "galvinoxyl" radical) and the hydroperoxide formed during the oxidation of polypropylene were studied by means of iodometry and ESR spectra. The reaction was found to be bimolecular and first order with respect to the radical. The rate constants for 60, 5, 45, and 35°C are 3.16, 1.5, and 0.79 L/mole·min, respectively, and the activation energy is

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10 kcal/mole. A study of the products of the reaction between tri-tert-butyl-phenoxyl with polypropylene hydroperoxide showed that they were identical to the products of oxidation of the radical by oxygen; hence, the hydroperoxide acts as an oxidizing agent. The reaction may be represented as follows:



A cage effect takes place in this case: the  $\text{RO}\cdot$  radical detaches a hydrogen atom from the phenol formed; then two radicals dimerize, yielding a peroxide. Orig. art. has: 3 figures and 4 formulas.

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ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of  
Chemical Physics, Academy of Sciences, SSSR)

SUBMITTED: 14Sep64

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OTHER: 014

Card

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3/3

SKLYAROVA, Ye.P.

Using the journal "Fel'dsher and Akusherka" in teaching obstetrics.  
Fel'd.i akush. no.3:47-50 Mr '54. (MLRA 7:3)  
(Obstetrics--Study and teaching)

SKLYAROVA, Ye.P. (Kar'kov)

Methodical planning of practical lessons in psychological preparation  
for childbirth. Fel'd. i akush. no.9:52-54 S '54. (MIRA 7:11)

(LABOR

psychol. prep., course in educ. of midwives)

(MIDWIVES, education

course in psychol. prep. for labor)

SKLYAROVA, Ye. P.

Two cases of extrauterine pregnancy associated with cancer of  
the cervix uteri. Akush. i gin. 38 no.3:111-112 My-Je '62.  
(MIRA 15:6)

1. Iz 2-go Rodil'nogo doma (glavnyy vrach - zasluzhennyi vrach  
Ukrainskoy SSR O. P. Genri), Khar'kov.

(UTERUS—CANCER) (PREGNANCY, EXTRAUTERINE)